

## MDCAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Plastics are a pollution problem because many plastics	A. are made from petroleum B. are very inflammable C. burn to produce toxic fumes D. decompose to produce toxic products
2	Which of the following activates phosphatase enzyme	A. $\text{Ca}^{2+}$ B. $\text{K}^{+}$ C. $\text{Mg}^{2+}$ D. $\text{Zn}^{2+}$
3	Amino acids react together to form the primary structure of proteins which is accompanied by	A. addition of water B. addition of ammonia C. removal of ammonia D. removal of water
4	The species which are produced by heterolytic bond breaking and can act as electron pair donor	A. Free radicals B. Cations C. Nucleophiles D. electrophile
5	IUPAC name of alanine is.	A. 2-aminopropanoic acid B. 2- aminoethanoic acid C. 2-aminobutane-1,4 choloric acid D. 2-aminobutanoic acid
6	Why is carbon monoxide called as pollutant? The reason is that	A. It combines with oxygen B. It combines with haemoglobin C. It inactivates glycolysis D. It inactivates nerves
7	The number of paper industries in Pakistan are	A. 30 B. 25 C. 35 D. 20
8	The transition temperature of $\text{KNO}_3$ , is	A. $13.2^\circ\text{C}$ B. $95.5^\circ\text{C}$ C. $128^\circ\text{C}$ D. $32.02^\circ\text{C}$
9	Propanone does not undergo	A. Oxime formation B. Reduction of Fehling solution C. Hydrazone formation with hydrazine D. Reaction with HCN
10	The enzyme which is found in saliva, accelerates the conversion of starch into sugar is	A. Pepsin B. Thrombin C. Ptyalin D. Fumarase
11	A fat with 18 carbon & no double bond will be	A. Solid B. Liquids C. Gel like D. None
12	Which of the following is more reactive where O-H bonds break	A. $\text{P}^\circ$ alcohol B. $\text{T}^\circ$ alcohol C. $\text{S}^\circ$ alcohol D. Cannot be predicated
13	For an ideal gas, number of mole in terms of its pressure P, temperature T and gas constant is	A. $\text{PT/R}$ B. $\text{PRT}$ C. $\text{PV/RT}$ D. $\text{RT/P}$
14	Which one of the following substances is a synthetic polyester?	A. cotton B. nylon C. rayon D. terylene
15	Which of the following carbohydrates is used in silvering of mirrors	A. Sucrose B. Cellulose C. Fructose D. Glucose

D. Glucose

16	Reaction kinetics is important to discover the---under which reaction will proceed most economically:	A. rate constant B. Conditions C. volume D. equilibrium point
17	The peptide bond is	A. Glycine B. Non-covalent bond C. Weak bond D. Responsible for secondary structure of protein
18	Which fiber contains 85% acrylonitrile by weight?	A. azlon fiber   B. saran fiber   C. acrylic fiber   D. rayon fiber  
19	All the metal shine when they are freshly cut The reason is	A. the conductivity of the metal is increased B. the process of cutting gives energy to the metal atoms C. the electrons become less delocalized according to valance bond theory D. the electrons are excited at higher energy levels and emit the photons when they fall back
20	Polysaccharides are	A. Polyester B. Polyamides C. Poly ethers D. Polynucleotide